

Telegraphic Communication interfered with by Atmospheric Electricity: Bismarck, Dak., 7th, line heavily charged.

Auroras.—Wood's Holl, Mass., 13th; Thomasville, Ga., 17th; Cambridge, Mass., "aurora regularly looked for every day at 8 p. m.; moonlight at 8 p. m. on the 5th, 6th, 10th, 29th to 31st, some clouds in the north on the 6th to 14th, obscured on the 1st, 2nd, 3rd, 4th, 7th, 8th, 9th, 11th, 15th, 17th, 21st, 22nd, 24th, 27th and 28th, clear but no aurora on 12th, 13th, 16th, 18th, 19th, 20th, 23rd and 25th;" Franklin, N. C., 23rd; Pembina, Dak., 23rd; Ft. Davis, Texas, 19th; Madison, Wis., 28th; Eastport, 1st, 21st and 24th; Boston, 24th.

OPTICAL PHENOMENA.

Solar Halos.—1st, Ia., Mass., Vt., Mich., N. Y., Cal., Dak., Minn., Kan., 2nd, Ia., Mich., Dak., Neb., Minn., Kan., Ill., Ind., Me. 3rd, Ia., Ohio, Conn., Ill., Cal., Minn., Wis., Ga. 4th, Ia., N. J., Tenn., N. C., Neb., Dak., Wis. 5th, Dak., Minn. 6th, Ind., Kan., Vt., Wis., Me., Dak., Kan. 7th, Me., N. C., Ill., Neb., N. Y., Pa., Vt., Dak., Ohio. 8th, Ia., Kan., Neb., Dak., Minn. 9th, Ia., Kan., Dak., Minn. 10th, Ia., Mich., Mo., Cal., Kan., Minn. 11th, Ia., Mass., N. J., Vt., Va., N. Y., Conn. 12th, Ia., Me., Mass., N. Y., Conn., Dak. 13th, Ia., Mass., Neb., Vt., Dak. 14th, Ia., Ill. 15th, Pa. 16th, Kan., Mich., Dak., Tenn. 17th, Ia., Me., Mass., Mich., N. Y., Vt., Conn., Ill., Pa. 18th, Ia., Dak., Neb., Minn. 19th, Vt., Dak. 20th, Me., Ohio, Ill., Wis. 21st, Ia., Me., Mass., N. Y., Ohio, Vt., Fla., Conn., Ill., Utah., Dak. 22nd, Ind., Ohio, Conn., Ill., Mo., Ia., 23rd, Ill., Wis. 24th, Mass., Ohio, N. Y. 25th, Ia., Ohio., Tex. 26th, Ia., N. Y., Utah. 27th, N. C., Mich., Ga. 28th, Ia., N. Y., Ohio, Ga. 29th, Ohio, Vt., N. J., Mich., Neb. Col., Ia., N. Y., Ga. 30th, Ia., Ill., Neb., Ohio. 31st, Ind., Ia.

Lunar Halos.—1st, Ia., Me., N. Y., Dak., Ill., Ind., Mass., Mo., Vt., Tex., Ala. Wis., Minn., Ga. 2d, Ia., Ohio, Ill., Conn., Ind., Mich., Tex., Minn. 3d, Kan., N. J., Wis., Ill. N. Y., Conn., Cal., Me., Vt., Nev., Ind. Ty., N. C., Mass. 4th, Mass., N. J., N. C., Ill., N. Y., Conn., Mo., Wis., Minn., Ohio, Tenn., Me., R. I. 5th, Md., N. J., Ill., Tenn., Conn., Me., Mont., Dak., Tex., Minn., Ind. 6th, Ind., Me., Mass., Ohio, Va., Tex., Ill., Ia., Mo., Ind. Ty., La., Wis., Mich., N. Y. 7th, Ia., Me., Md., Mass., N. J., Pa., Va., Neb., Mich., Tenn., N. Y., Conn., Ga., Col., Dak., Minn., Wis., W. Va. 8th, Ohio, Cal., Ill., Nev., Dak., Minn., Wis., Ia., Pa. 9th, Ia., N. Y., Ohio, Neb., Ind., Ind. Ty., Minn. 10th, Ill., Mass., Ohio, Va., Tex., Mich., Tenn., N. C., Conn., W. Va., Dak., Ia., Ga., Md., Ind. 11th, N. Y., Pa., Va., N. C., Mo., Tex., Wis., Ohio. 12th, Conn., Idaho, Tex., Ga., Me. 13th, Nev., Ia., Ga. 14th, Ind., N. Y., Me., Mo. 16th, Neb, 17th, Ind., N. Y. 18th, Ill. 21st, Ill. 24th, Ohio, Ill., Ia. 25th, Ill., Va. 26th, Ia., Mich., Mo., Ala., Tenn. 27th, Tex., Mo., Neb. 28th, N. J., N. Y., Va., Wis., Mo., Neb., Tex., N. M., Ga. 29th, Ind., Kan., Ohio, Va., Mich., Mo., Col., Tex., W. Va., Ga. 30th, Ill., Ind., Neb., Ohio, Ia., Cal., Minn., Wis., Mich., Ga. 31st, Ind., Me., N. J., Ohio, Ia., Mo., Dak., Minn., Tex., La. Me., Vt.

Mirage.—Genoa, Neb., 1st, 3rd; Olivet, Dak., 26th, 29th, 30th; New Bedford, Mass., 15th; Pembina, Dak., 28th; Burlington, Vt., 3rd, 5th.

MISCELLANEOUS PHENOMENA.

BOTANICAL.—*California*—Sacramento, 23rd, poplar and other trees in bud. *Florida*—Mayport, 5th, oranges were picked encased in half an inch of ice; fruit uninjured. Houston, 8th, coldest morning for years; young orange trees are injured, but the bearing trees are not hurt; 31st, oats nearly all sown and corn planting commenced. *Georgia*—Forsyth, 29th, alder bushes in full bloom, plum trees beginning to bloom. Augusta, 25th, elm trees budding; 27th, trimming trees about the city, planting English peas and early garden vegetable seeds; 29th, japonicas in full bloom in the open air; 30th, peach trees beginning to bloom. *Indiana*—Green Castle, 23rd, buds of the peach, plum and cherry are generally killed, and the peach trees are largely, if not generally, killed; wheat is in the best condition, having been well protected by the snow. Brookville, 23rd, wheat crop greatly benefitted by the heavy covering of snow; peaches killed, apples not injured. Greensburg, 23rd, wheat crop in fine condition, much benefitted by the snow. Madison, 23rd, peaches all killed, cherries and grapes have suffered much; wheat well preserved and protected. Anderson, 23rd, wheat in splendid condition; fruit generally believed uninjured. Vincennes, 23rd, fruit only slightly damaged; prospect for wheat very promising. Indianapolis, 23rd, wheat in splendid condition, abundant harvest anticipated; peaches all killed and trees somewhat damaged; apples not injured; pears—fruit all killed, trees uninjured; cherries—fruit all killed, trees uninjured; grapes—some tender varieties killed; raspberries all damaged; quinces—fruit all killed and trees badly damaged; blackberries killed to some extent; strawberries in fine condition, being protected by the snow; grass in excellent condition. Shelbyville, 23rd, fruit crop considerably injured, peaches believed destroyed; wheat much benefitted by the snow. Aurora, 22nd, wheat crop good; fruit crop much injured, especially peaches and cherries. Ft. Wayne, 23rd, fruit not as much injured as anticipated; wheat has received no damage. Vevay, 31st, peach trees, most flowering shrubs and hardy hybrid roses are killed; great quantities of potatoes frozen in pits; wheat never looked more promising and thrifty; herbaceous plants have been saved by the covering of snow. *Illinois*—Mt. Carmel, 23rd, grain crop greatly benefitted by the heavy snow, peaches entirely destroyed in some localities; apples not believed to be injured. *Iowa*—Independence, 27th, sap rising in osage orange, horse radish and parsnips sprouting. *Kansas*—Holton, 31st, peach buds in some localities reported killed. *Kentucky*—Nicholasville, 22nd, wheat and grass are uninjured, the average of the former is very large; fruit growers state that there will be no fruit of any kind worth mentioning; young trees of all kinds are dead and many large trees froze and burst; flowers in pits suffered severely. Greenup, 24th, fruit crop